

ABSTRACT OF THE DISCLOSURE

CURABLE BASE-RESISTANT FLUOROELASTOMERS

5 A base resistant, substantially amorphous fluoroelastomer
comprising (1) 10-40 mole percent ethylene units, (2) 32-60 mole percent
tetrafluoroethylene units, (3) 20-40 mole percent perfluoro ether units
selected from the group consisting of perfluoro(alkyl vinyl ethers),
perfluoro(alkyl alkenyl ethers) and perfluoro(alkoxy alkenyl ethers), and (4)
10 0.1 to 15 mole percent of a cure site monomer selected from the group
consisting of i) 3,3,3-trifluoropropene-1, ii) trifluoroethylene, iii) 1,2,3,3,3-
pentafluoropropylene, iv) 1,1,3,3,3-pentafluoropropylene, and v) 2,3,3,3-
tetrafluoropropene. Such fluoroelastomers may be vulcanized with
polyhydroxy curatives. The resulting vulcanized fluoroelastomer
15 compositions are resistant to attack by amines, strong bases and
hydrogen sulfide and possess a combination of good low temperature and
high temperature properties and they are resistant to oil swell.